Performance Data Sheet

AE4460Y-FZ3C

General Information

Model	AE4460Y-FZ3C	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-15	Watts (Capacity)	771	660	561	474
	Watts (Power)	346	358	374	387
	Amps	1.99	1.99	2.03	2.06
	Lb/h	16.2	14.8	13.7	13.0
-10	Watts (Capacity)	972	838	712	596
	Watts (Power)	379	397	421	443
	Amps	2.11	2.14	2.22	2.31
	Lb/h	20.4	18.8	17.5	16.4
-6.7	Watts (Capacity)	1120	970	826	690
	Watts (Power)	400	421	450	480
	Amps	2.19	2.24	2.35	2.47
	Lb/h	23.5	21.8	20.4	19.0
-5	Watts (Capacity)	1200	1040	890	743
	Watts (Power)	410	433	466	498
	Amps	2.23	2.29	2.41	2.55
	Lb/h	25.1	23.5	22.0	20.5
0	Watts (Capacity)	1460	1280	1100	916
	Watts (Power)	439	469	509	552
	Amps	2.34	2.43	2.59	2.78
	Lb/h	30.5	28.8	27.2	25.5
5	Watts (Capacity)	1750	1540	1330	1120
	Watts (Power)	466	503	553	606
	Amps	2.45	2.57	2.78	3.01
	Lb/h	36.5	35.0	33.3	31.5
7.2	Watts (Capacity)	1890	1670	1440	1210
	Watts (Power)	478	518	572	630

	Amps	2.50	2.64	2.86	3.12
	Lb/h	39.4	37.9	36.3	34.4
10	Watts (Capacity)	2080	1840	1590	1350
	Watts (Power)	493	538	596	660
	Amps	2.57	2.72	2.97	3.26
	Lb/h	43.4	42.0	40.3	38.4
15	Watts (Capacity)	2440	2170	1890	1610
	Watts (Power)	520	572	640	716
	Amps	2.71	2.89	3.18	3.52
	Lb/h	51.2	50.0	48.4	46.5

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.008158E+03	4.910917E+02	3.005993E+00	3.588038E+01
C2	6.720631E+01	3.667990E+00	1.628085E-02	9.541223E-01
C3	-1.767698E+01	-6.965996E+00	-5.549956E-02	-1.998234E-01
C4	7.056037E-01	-4.563820E-02	1.300746E-05	1.023168E-02
C5	-3.091381E-01	1.160546E-02	-1.133733E-04	9.867937E-03
C6	-2.650290E-02	2.146215E-01	1.355630E-03	8.236090E-04
C7	1.573684E-03	7.586279E-04	8.847464E-06	1.265575E-04
C8	-2.573801E-03	7.173290E-04	7.344722E-07	1.402641E-04
C9	-3.125521E-03	1.778594E-03	1.027016E-05	-1.270046E-04
C10	2.973100E-04	-1.359462E-03	-8.230307E-06	-6.086406E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature